PROJECT DESCRIPTION

GENERAL

THESE INTERSECTION IMPROVEMENTS INCLUDE ADDING ONE THROUGH LANE ON NORTHBOUND MD 355 AND ONE THROUGH LANE ON WESTBOUND SHADY GROVE ROAD, CAHNGING THE EASTBOUND THROUGH LANE TO BE A RIGHT TURN ONLY LANE IN THE AM PEAK PERIOD AND TO BE A THROUGH/RIGHT TURN LANE IN THE PM PEAK PERIOD, AND INSTALLING PEDESTRIAN SIGNALS AND CROSSWALKS. MD 355 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE EXISTING PHASING CABINET AND CONTROLLER ARE TO BE UTILIZED.

THIS INTERSECTION CURRENTLY OPERATES IN A SEMI-ACTUATED MODE WITH EASTBOUND/WESTBOUND, SHADY GROVE ROAD SPLIT-PHASED.

PROJECT CONTACTS

MR. CHARLIE WATKINS
DISTRICT ENGINEER
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MR. MAJID SHAKIB
ASSISTANT DISTRICT ENGINEER
- TRAFFIC
(301) 513-7358

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MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATION DIVISION
(410) 787-7630

MR. ROBERT GONZALES
(240) 777-8761

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

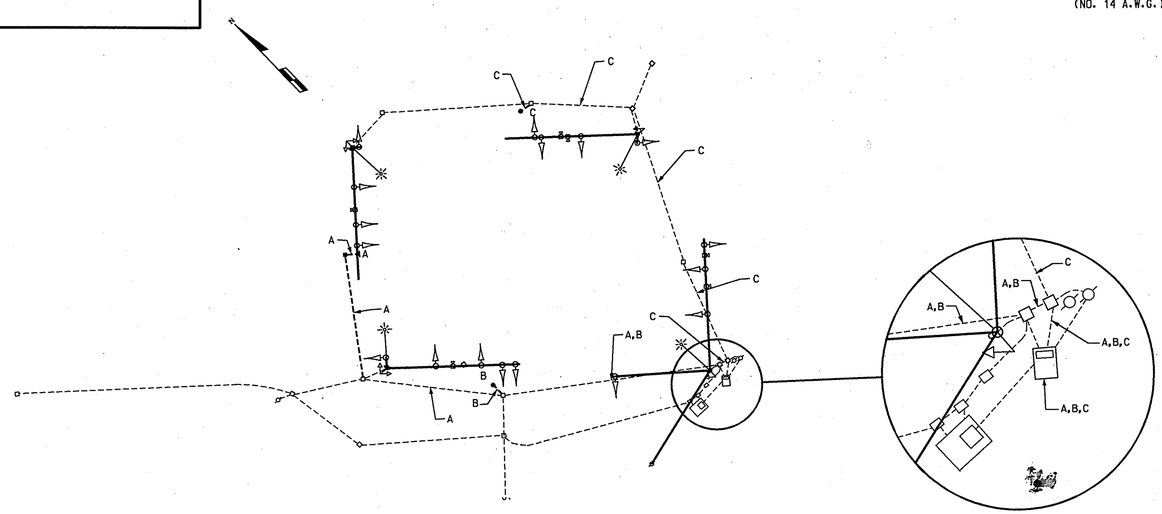
QUANTITY	UNIT	DESCRIPTION
2	CY	TEST PIT EXCAVATION
3	CY	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
3	EA	FURNISH AND INSTALL PEDESTRIAN PUSH BOTTON AND R10-4(I) SIGN
3	EA	FURNISH AND INSTALL 10 FT. PEDESTAL POLE AND BREAKAWAY BASE (BLACK - FEDERAL SPECIFICATION NUMBER 17038)
10	LF	FURNISH AND INSTALL 2 IN. (SCHEDULE 80) PVC CONDUIT - TRENCHED
560	LF	FURNISH AND INSTALL 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
780	LF	12 IN. WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE.
255	LF	24 IN. WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE.

PHASING CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
PHASE 1 & 5	—G—	—G—	G	G	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
1 & 5 CHANGE	—Y—	—Y—	G	G	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 2 & 5	—R—	—R—	G	G	G	G	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
2 & 5 CHANGE	—R—	—R—	Y	Y	G	G	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 2 & 5 ALT.	R	R	G	G	G	G	G	R	R	R	R	R	R	R	R	R	WK	WK	WK	WK	DW	DW
PED CLEARANCE	R	R	G	G	G	G	G	R	R	R	R	R	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW
2 & 5 ALT. CHANGE	R	R	Y	Y	G	G	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 2 & 6	—R—	—R—	R	R	G	—G—/G	—G—/G	G	G	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 2 & 6 CHANGE	—R—	—R—	R	R	Y	—Y—/Y	—Y—/Y	Y	Y	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 3	—R—	—R—	R	R	R	R	R	R	R	G/G	G/G	G	R	R	R	R	DW	DW	DW	DW	DW	DW
3 CHANGE	—R—	—R—	R	R	R	R	R	R	R	Y	Y	Y	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 4	—R—	—R—	R	R	R	R	R	R	R	R	R	R	G	G/G	G/G	G	DW	DW	DW	DW	DW	DW
4 CHANGE	—R—	—R—	R	R	R	R	R	R	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW
PHASE 4 ALT.	—R—	—R—	R	R	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	WK	WK
PED CLEARANCE	—R—	—R—	R	R	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	FL/DW	FL/DW
4 ALT. CHANGE	—R—	—R—	R	R	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FL/—R—	FL/—R—	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK

NOTE: ALL PEDESTRIAN CROSSING ARE ACTUATED AND NOT CONCURRENT

WIRING DIAGRAM



WIRING KEY

A, B, C 2-CONDUCTOR CABLE (NO. 14 A.W.G.) FOR PUSHBUTTONS

ULTIMATE TRAFFIC CONTROL SIGNAL

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION PLAN

MD 355 AND SHADY GROVE ROAD

SABRA, WANG & ASSOCIATES, INC.
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BALTIMORE, MD 21227
(410) 737-6564

PREPARED BY
URS Greiner Woodward Clyde
HUNT VALLEY, MARYLAND

DRAWN BY: E. SIMMERS	F.A.P. NO.	NO. GI 2382-(A)	SHEET NO.
CHECKED BY:	S.H.A. NO.		
SCALE:	COUNTY: MONTGOMERY	T.I.M.S. NO. C-895	38 OF 55
DATE:	LOG MILE: 150355I2.73		

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